



12G-SDI Fiber Optic Extender



FTSM

The FTSM transmits high-speed 12G-SDI signals over long distances using a fiber optic cable with a single channel (LC connector / single-mode fiber). This compact-size optical extender transmits 4K UHD resolution (3840 x 2160) @60Hz over a distance of up to 5km.

Feature Highlights

- 12G-SDI UHD video signal for long-distance optical transmission
- Supports video signals SD-SDI, HD-SDI, 3G-SDI, 6G-SDI, and 12G-SDI
- Near-zero latency
- EMI & Safety: CE, FCC

Specification

		Transmitter	Receiver
Connector	Input	SDI (BNC)	Optical (LC)
	Output	Optical (LC)	SDI (BNC)
Video Bandwidth	270Mbps ~ 11.88Gbps		
Supporting Resolution & Distance	12G-SDI (3840x2160 @60Hz) Max 5km		
Power Consumption	1.5W (Typical)		
Dimensions	59W x 27.3D x 27H (mm) / 2.3"W x 1.07"D x 1.06"H (inches)		
Environment	Operating Temperature Range: 0°C ~ 50°C (32°F ~ 122°F) Storage Temperature Range: -20°C ~ 70°C (-4°F ~ 158°F)		

Optical

- Optical Source: 1310nm VCSEL
- Using fiber: 1-channel optical single-mode fiber (LC connector type)



*Optical module (SFP)

Ordering Information

FTSM

- FTSM transmitter and receiver
- Optical module (SFP) transmitter and receiver
- Power adapter x2
- User manual

FTSM-C

- FTSM transmitter and receiver
- Power adapter x2
- User manual

FTSM-OTR

- Optical module (SFP) transmitter and receiver
- User manual

Typical Applications

- Digital Signage / Video Wall / Media Broadcasting / Video Conferencing / Large Venue Auditoriums / Control Rooms

